Tiba International For Refrigeration
طيبة الدولية للتبريد

R142b

Technical Information Sheet

Physical Properties of Refrigerants	R142b
Enviromental Classifcation	HCFCs
Formula	CH 3CCIF 2
Molecular Weight	100.5
Boiling Point (101.3 kpa,°C)	-9.8
Freezing point (°C)	-103.5
Critical Pressure (kpa)	4123.1
Critical Temperature (°C)	137.1
Critical Density(kg/m3)	435
Liquid Density 30°C (kg/m3)	1096.9
Vapour Density (air = 1.0)	3.71 @ 21˚C
Vapour pressure at 25°C (Bar)	298
Specific Heat Liquid 30 °C (KJ/Kg.K)	1.34
Specific Heat Vapor 25 °C (KJ/Kg.K)	0.8529
Ozone Depletion Potential (CFC 11 -1.0)	0.043
Global Warming Potential (CO2 = 1.0)	2400
ASHRAE Standard 34 Safety Rating	A2

Pressure- Temp Chart

Temp °C	R142b psig

This information is believed to be accurate and reliable but is provided for guidance only.
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